Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	CP-2018-12-11-59 **Date: 08-11-18**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP,
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Intimation of work order to start the work of improvements to drains at Kondappa layout in ward no.02 of Yelahanka Sub Division areas in ward no. 01 of Yelahanka Sub Division
Agency	:	Sri. Prakash Naik, No.313, Verrannapalya, Arabic coege post, Bangalore
Customer's Reference	:	EE(YNK.D)E-PMT-02/W.O/73/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	05-11-18
Sample ID No	:	2018-12-11-59 /01
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11):1988 IS 4031 Part 1 DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, Determination of Soundness, Clause 5,Clause 6 IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11,DETERMINATION OF DENSITY , Clause 6
Date of test	:	06-11-18
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

SLNo.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	1.64	–
2	Finess by Air permeablity method (m^2/kg,Min)	296.6	225m^2/kg, Min
3	Density (gm/cc)	3.12	–
4	Standard Consistency (%)	28.5%	Not specified
5	Initial Setting time	145 minutes	Not less than 30 minutes
6	Final Setting time	290 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	2	Not more than 10 mm

Note:

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TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	CP-2018-12-11-59 **Date: 04-12-18**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Intimation of work order to start the work of improvements to drains at Kondappa layout in ward no.02 of Yelahanka Sub Division areas in ward no. 01 of Yelahanka Sub Division
Agency	:	Sri. Prakash Naik, No.313, Verrannapalya, Arabic coege post, Bangalore
Customer's Reference	:	EE(YNK.D)E-PMT-02/W.O/73/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	05-11-18
Sample ID No	:	2018-12-11-59 /01
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 Part 4, Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 6, Determination of Compressive Strength, Clause 6
Date of test	:	06-11-18
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Compressive Strength

SLNo.	Physical properties	Results	Requirement as per IS 12269: 2013
1	3 Days	29.0N/mm^2	Not less than 27 N/mm^2
2	7 Days	39.0N/mm^2	Not less than 37 N/mm^2
3	28 Days	54.0N/mm^2	Not less than 53 N/mm^2

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Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2018-12-11-59** **Date: 08-11-18**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Intimation of work order to start the work of improvements to drains at Kondappa layout in ward no.02 of Yelahanka Sub Division
Agency	:	Sri. Prakash Naik, No.313, Verrannapalya, Arabic coege post, Bangalore
Customer's Reference	:	EE(YNK.D)E-PMT-02/W.O/73/2018-19
Source of Sample	:	Sample supplied by Agency
Sample condition	:	Satisfactory
Date of Receipt	:	05-11-18
Sample ID No	:	2018-12-11-59 /02(a)
Sample Type	:	40mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	05-11-18

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 15000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	429	429	2.9	97.1	90-100
3	20 mm	7195	7624	50.8	49.2	30-70
4	10 mm	3859	11483	76.6	23.4	10-35
5	4.75 mm	2953	14436	96.2	3.8	0-5
6	Pan	564	15000	100.0	0	---

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2018-12-11-59** **Date: 07-11-18**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Intimation of work order to start the work of improvements to drains at Kondappa layout in ward no.02 of Yelahanka Sub Division areas in ward no. 01 of Yelahanka Sub Division
Agency	:	Sri. Prakash Naik, No.313, Verrannapalya, Arabic coege post, Bangalore
Customer Reference	:	EE(YNK.D)E-PMT-02/W.O/73/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	05-11-18
Sample ID No	:	2018-12-11-59 /02(b)
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2011 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	05-11-18

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : **5000 grams**

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	155	155	3.1	96.9	90-100
3	10 mm	3344	3499	70.0	30.0	25-55
4	4.75 mm	1377	4876	97.5	2.5	0-10
5	Pan	124	5000	100	0	–

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TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2018-12-11-59** **Date: 07-11-18**

Sample ID No : 2018-12-11-59 /02(b)

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	11.7	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	12.5	
3	Specific Gravity	2.63	–
4	Bulk Density(Loose) (Kg/l)	1.48	–
5	Bulk Density(Compacted) (Kg/l)	1.55	–
6	Water Absorption(%)	0.23	–
7	Aggregate crushing Value(%)	23.7	Max 30% for Aggregates to be used in concrete for wearing Surface, In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface.
8	Aggregate Impact Value(%)	22.8	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface.

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TEST REPORT OF FINE AGGREGATE

Lab ID : CP-2018-12-11-59 **Date: 08-11-18**

Customer : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.

Address : Yelahanka Sub Division, BBMP, Bangalore.

Project Name : Intimation of work order to start the work of improvements to drains at Kondappa layout in ward no.02 of Yelahanka Sub Division areas in ward no. 01 of Yelahanka Sub Division

Agency : Sri. Prakash Naik, No.313, Verrannapalya, Arabic coege post, Bangalore

Customer's Reference : EE(YNK.D)E-PMT-02/W.O/73/2018-19

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 05-11-18

Sample ID No : 2018-12-11-59 /03

Sample Type : Fine Aggregate

Reference to BIS codes : IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption

Date of test : 06-11-18

Total weight taken : 1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	38	38	3.8	96.2	90-100	90-100	90-100	95-100
3	2.36 mm	154	192	19.2	80.8	60-95	75-100	85-100	95-100
4	1.18 mm	202	394	39.4	60.6	30-70	55-90	75-100	90-100
5	600 micron	193	587	58.7	41.3	15-34	35-59	60-79	80-100
6	300 micron	183	770	77.0	23.0	5-20	8-30	12-40	15-50
7	150 micron	141	911	91.1	8.9	0-10	0-10	0-10	0-15
8	Pan	89	1000	100.0	0.0	---	---	---	---

Result :The tested Sample Conforms to Grading Zone II

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TEST REPORT OF PRECAST COVER SLAB

Date: 12-11-18

Lab ID	:	CP-2018-12-11-59
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Intimation of work order to start the work of improvements to drains at Kondappa layout in ward no.02 of Yelahanka Sub Division areas in ward no. 01 of Yelahanka Sub Division
Agency	:	Sri. Prakash Naik, No.313, Verrannapalya, Arabic coege post, Bangalore
Customer's Reference	:	EE(YNK.D)E-PMT-02/W.O/73/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	07-11-18
Sample ID No	:	2018-12-11-59 /06
Sample Type /Size	:	Precast Cover Slab
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete
Date of test	:	07/11/2018

SL No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	75.52	100.32	1.116	4478	80.9	18.1	16.8	21.0
2	Cover Slab-2	75.46	100.52	1.122	4471	82.3	18.4	17.1	21.4
3	Cover Slab-3	75.49	100.54	1.118	4475	81.5	18.2	16.9	21.2

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TEST REPORT OF PRECAST COVER SLAB

Lab ID	:	CP-2018-12-11-59 **Date: 12-11-18**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Intimation of work order to start the work of improvements to drains at Kondappa layout in ward no.02 of Yelahanka Sub Division areas in ward no. 01 of Yelahanka Sub Division
Agency	:	Sri. Prakash Naik, No.313, Verrannapalya, Arabic coege post, Bangalore
Customer's Reference	:	EE(YNK.D)E-PMT-02/W.O/73/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	07-11-18
Sample ID No	:	2018-12-11-59 /06
Sample Type /Size	:	Precast Cover Slab
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete
Date of test	:	07/11/2018

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	165.52	200.32	1.116	21513	80.9	3.8	3.5	4.4
2	Cover Slab-2	165.46	200.46	1.122	21498	82.3	3.8	3.6	4.5
3	Cover Slab-3	165.44	200.43	1.118	21493	81.5	3.8	3.5	4.4

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	CP-2018-12-11-59
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Intimation of work order to start the work of improvements to drains at Kondappa layout in ward no.02 of Yelahanka Sub Division areas in ward no. 01 of Yelahanka Sub Division
Agency	:	Sri. Prakash Naik, No.313, Verrannapalya, Arabic coege post, Bangalore
Customer's Reference	:	EE(YNK.D)E-PMT-02/W.O/73/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	14-11-18
Sample ID No	:	2018-12-11-59 /01
Customer ID	:	PCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	19/11/2018

Date: 19/11/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M20	12/11/2018	19/11/2018	150.54 X 150.45 X 150.49	22649	8.312	394.1	17.4	17.1
2	PCC	M20	12/11/2018	19/11/2018	150.54 X 150.43 X 150.41	22646	8.331	387.2	17.1	
3	PCC	M20	12/11/2018	19/11/2018	150.32 X 150.46 X 150.48	22617	8.345	380.0	16.8	

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****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2018-12-11-59** **Date: 10/12/2018**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Intimation of work order to start the work of improvements to drains at Kondappa layout in ward no.02 of Yelahanka Sub Division areas in ward no. 01 of Yelahanka Sub Division
Agency	:	Sri. Prakash Naik, No.313, Verrannapalya, Arabic coege post, Bangalore
Customer's Reference	:	EE(YNK.D)E-PMT-02/W.O/73/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	14-11-18
Sample ID No	:	2018-12-11-59 /02
Customer ID	:	PCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	10/12/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M20	12/11/2018	10/12/2018	150.42 X 150.54 X 150.45	22644	8.312	523.1	23.1	23.1
2	PCC	M20	12/11/2018	10/12/2018	150.42 X 150.54 X 150.45	22644	8.331	518.6	22.9	
3	PCC	M20	12/11/2018	10/12/2018	150.32 X 150.54 X 150.35	22629	8.345	529.5	23.4	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2018-12-11-59** **Date: 19/11/2018**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Intimation of work order to start the work of improvements to drains at Kondappa layout in ward no.02 of Yelahanka Sub Division areas in ward no. 01 of Yelahanka Sub Division
Agency	:	Sri. Prakash Naik, No.313, Verrannapalya, Arabic coege post, Bangalore
Customer's Reference	:	EE(YNK.D)E-PMT-02/W.O/73/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	14-11-18
Sample ID No	:	2018-12-11-59 /03
Customer ID	:	PCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	19/11/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M20	12/11/2018	19/11/2018	150.48 X 150.51 X 150.45	22649	8.312	391.8	17.3	17.3
2	PCC	M20	12/11/2018	19/11/2018	150.54 X 150.42 X 150.39	22644	8.331	398.5	17.6	
3	PCC	M20	12/11/2018	19/11/2018	150.31 X 150.52 X 150.48	22625	8.345	382.4	16.9	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2018-12-11-59** **Date: 10/12/2018**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Intimation of work order to start the work of improvements to drains at Kondappa layout in ward no.02 of Yelahanka Sub Division areas in ward no. 01 of Yelahanka Sub Division
Agency	:	Sri. Prakash Naik, No.313, Verrannapalya, Arabic coege post, Bangalore
Customer's Reference	:	EE(YNK.D)E-PMT-02/W.O/73/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	14-11-18
Sample ID No	:	2018-12-11-59 /04
Customer ID	:	PCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl 5
Date of test	:	10/12/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M20	12/11/2018	10/12/2018	150.54 X 150.45 X 150.51	22649	8.312	539.0	23.8	23.5
2	PCC	M20	12/11/2018	10/12/2018	150.38 X 150.45 X 150.52	22625	8.331	522.6	23.1	
3	PCC	M20	12/11/2018	10/12/2018	150.56 X 150.48 X 150.35	22656	8.345	534.7	23.6	

Note:
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Samples will be disposed after 90 days from the date of issue of test certificate

A.E.E AE-2 AE-02

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

CIVIL Pro Sig. Date BANGALORE

****End of Report****

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4, 7TH MAIN MALLESWARAM, BANGALORE -3
Certificate No.: TC- 5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-12-11-59 **Date: 19/11/2018**

Customer : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.

Address : Yelahanka Sub Division, BBMP, Bangalore.

Project Name : Intimation of work order to start the work of improvements to drains at Kondappa layout in ward no.02 of Yelahanka Sub Division areas in ward no. 01 of Yelahanka Sub Division

Agency : Sri. Prakash Naik, No.313, Verrannapalya, Arabic coege post, Bangalore

Customer's Reference : EE(YNK.D)E-PMT-02/W.O/73/2018-19

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 14-11-18

Sample ID No : 2018-12-11-59 /05

Customer ID : PCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 19/11/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M20	12/11/2018	19/11/2018	150.56 X 150.46 X 150.42	22653	8.312	398.7	17.6	17.5
2	PCC	M20	12/11/2018	19/11/2018	150.38 X 150.41 X 150.39	22619	8.331	380.0	16.8	
3	PCC	M20	12/11/2018	19/11/2018	150.32 X 150.49 X 150.53	22622	8.345	411.7	18.2	

Note:

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Quality Manager

CIVIL Pro Sig..... Date..... BANGALORE

Page 1/1
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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 10/12/2018

Lab ID	:	CP-2018-12-11-59
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Intimation of work order to start the work of improvements to drains at Kondappa layout in ward no.02 of Yelahanka Sub Division areas in ward no. 01 of Yelahanka Sub Division
Agency	:	Sri. Prakash Naik, No.313, Verrannapalya, Arabic coege post, Bangalore
Customer's Reference	:	EE(YNK.D)E-PMT-02/W.O/73/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	14-11-18
Sample ID No	:	2018-12-11-59 /06
Customer ID	:	PCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	10/12/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M20	12/11/2018	10/12/2018	150.45 X 150.51 X 150.39	22644	8.312	518.6	22.9	23.2
2	PCC	M20	12/11/2018	10/12/2018	150.45 X 150.52 X 150.38	22646	8.331	539.0	23.8	
3	PCC	M20	12/11/2018	10/12/2018	150.48 X 150.35 X 150.53	22625	8.345	515.8	22.8	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-12-11-59 **Date: 19/11/2018**

Customer : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.

Address : Yelahanka Sub Division, BBMP, Bangalore.

Project Name : Intimation of work order to start the work of improvements to drains at Kondappa layout in ward no.02 of Yelahanka Sub Division areas in ward no. 01 of Yelahanka Sub Division

Agency : Sri. Prakash Naik, No.313, Verrannapalya, Arabic coege post, Bangalore

Customer's Reference : EE(YNK.D)E-PMT-02/W.O/73/2018-19

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 14-11-18

Sample ID No : 2018-12-11-59 /07

Customer ID : PCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 19/11/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M20	12/11/2018	19/11/2018	150.46 X 150.41 X 150.52	22631	8.312	411.9	18.2	18.1
2	PCC	M20	12/11/2018	19/11/2018	150.39 X 150.51 X 150.49	22635	8.331	405.2	17.9	
3	PCC	M20	12/11/2018	19/11/2018	150.36 X 150.48 X 150.53	22626	8.345	411.8	18.2	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-12-11-59 **Date: 10/12/2018**

Customer : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.

Address : Yelahanka Sub Division, BBMP, Bangalore.

Project Name : Intimation of work order to start the work of improvements to drains at Kondappa layout in ward no.02 of Yelahanka Sub Division areas in ward no. 01 of Yelahanka Sub Division

Agency : Sri. Prakash Naik, No.313, Verrannapalya, Arabic coege post, Bangalore

Customer's Reference : EE(YNK.D)E-PMT-02/W.O/73/2018-19

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 14-11-18

Sample ID No : 2018-12-11-59 /08

Customer ID : PCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 10/12/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M20	12/11/2018	10/12/2018	150.51 X 150.39 X 150.45	22635	8.312	534.2	23.6	23.9
2	PCC	M20	12/11/2018	10/12/2018	150.52 X 150.38 X 150.48	22635	8.331	538.7	23.8	
3	PCC	M20	12/11/2018	10/12/2018	150.35 X 150.56 X 150.43	22637	8.345	547.8	24.2	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-12-11-59 **Date: 19/11/2018**

Customer : Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.

Address : Yelahanka Sub Division, BBMP, Bangalore.

Project Name : Intimation of work order to start the work of improvements to drains at Kondappa layout in ward no.02 of Yelahanka Sub Division areas in ward no. 01 of Yelahanka Sub Division

Agency : Sri. Prakash Naik, No.313, Verrannapalya, Arabic coege post, Bangalore

Customer's Reference : EE(YNK.D)E-PMT-02/W.O/73/2018-19

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 14-11-18

Sample ID No : 2018-12-11-59 /09

Customer ID : PCC

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 19/11/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M20	12/11/2018	19/11/2018	150.52 X 150.39 X 150.49	22637	8.312	405.2	17.9	17.8
2	PCC	M20	12/11/2018	19/11/2018	150.51 X 150.48 X 150.36	22649	8.331	403.1	17.8	
3	PCC	M20	12/11/2018	19/11/2018	150.48 X 150.53 X 150.35	22652	8.345	398.7	17.6	

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A.E.E AE-12

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2018-12-11-59** **Date: 10/12/2018**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Intimation of work order to start the work of improvements to drains at Kondappa layout in ward no.02 of Yelahanka Sub Division areas in ward no. 01 of Yelahanka Sub Division
Agency	:	Sri. Prakash Naik, No.313, Verrannapalya, Arabic coege post, Bangalore
Customer's Reference	:	EE(YNK.D)E-PMT-02/W.O/73/2018-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	14-11-18
Sample ID No	:	2018-12-11-59 /10
Customer ID	:	PCC
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	10/12/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	PCC	M20	12/11/2018	10/12/2018	150.39 X 150.45 X 150.52	22626	8.312	540.8	23.9	24.1
2	PCC	M20	12/11/2018	10/12/2018	150.38 X 150.48 X 150.52	22629	8.331	549.9	24.3	
3	PCC	M20	12/11/2018	10/12/2018	150.36 X 150.43 X 150.48	22619	8.345	547.4	24.2	

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AE-1 / A.E.E Received by AE-2

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